

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 12, 2003, 22:51:15 ; Search time 182 Seconds
(without alignments)

6608.621 Million cell updates/sec

Title: US-10-054-678-1

Perfect score: 2725

Sequence: 1 tcaatcgctggccagctg.....aagtcacactgggtggc 2725

Scoring table:

IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 120 summaries

Database :

Issued Patents_NA:*

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6: /cgn2_6/ptodata/2/ina/backfiles.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	141.8	5.2	2178	3	US-08-974-180-11
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5	138.4	5.1	2189	4	US-09-489-847-116
6	102.8	3.8	1920	3	US-08-974-180-19
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ALIGNMENTS

RESULT 1
US-08-974-180-16
; Sequence 16, Application US/08974180
; Patent No. 6025194
; GENERAL INFORMATION:
; APPLICANT: Funk, Walter
; TITLE OF INVENTION: Methods for Modulating and Identifying
; TITLE OF INVENTION: Cellular Senescence

Query Match	5.2%	Score 141.8;	DB 3;	Length 1635;
Best Local Similarity	49.6%	Pred. NO. 7e-24;		
Matches 427; Conservative	0;	Mismatches 422;	Indels 12;	

RESULT 2
US-08-974-180-11
; Sequence 11, Application US/08974180
; Patent No. 6025194
; GENERAL INFORMATION:
; APPLICANT: Funk, Walter
; TITLE OF INVENTION: Methods for Modulating and Identifying
; TITLE OF INVENTION: Cellular Senescence
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Geron Corporation

```
STREET: 230 Constitution Drive
CITY: Menlo Park
STATE: California
COUNTRY: USA
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,180
FILING DATE: 19-NOV-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kaster, Kevin R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 206
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 473-7779
TELEFAX: (650) 473-8654
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 2178 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: -
LOCATION: 1..2178
OTHER INFORMATION: /note= "restriction fragment GC6"
US-08-974-180-11

Query Match . 5.2%; Score 141.8; DB 3; Length 2178;
Best Local Similarity 49.6%; Pred. No. 7.7e-24;
Matches 427; Conservative 0; Mismatches 422; Indels 12; Gaps 2;

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D 826 TCTTCTCATGCTCACCTGGCTGGCAGAGGCATCAGGCTGGCTCATTTTCGAAAGGGA 885
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RESULT 3
US-08-974-180-14
Sequence 14, Application US/08974180
Patent No. 6025194
GENERAL INFORMATION:
APPLICANT: Funk, Walter
TITLE OF INVENTION: Methods for Modulating and Identifying
TITLE OF INVENTION: Cellular Senescence
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Geron Corporation
STREET: 230 Constitution Drive
CITY: Menlo Park
STATE: California
COUNTRY: USA
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,180
FILING DATE: 19-NOV-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Kaster, Kevin R.
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 206
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 473-7779
TELEFAX: (650) 473-8654
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 2970 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 231..1868
OTHER INFORMATION: /product= "pgc6"
FEATURE:
NAME/KEY: -
LOCATION: 1..2970
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OTHER INFORMATION: /note= "5' and 3' untranslated
; OTHER INFORMATION: regions of GC6 cDNA and complete ORF
; OTHER INFORMATION: of GC6 gene"
US-08-974-180-14

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Query Match          5.2%; Score 141.8; DB 3; Length 2970;
Best Local Similarity 49.6%; Pred. No. 8.5e-24;
Matches 427; Conservative 0; Mismatches 422; Indels 12; Gaps 2;

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644 AATGTTTAAAGTCTCTGTTTCAAGAAAGCATATGTAATAAAGGTTGAGCCAGTGTAT 703
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RESULT 4
US-09-489-847-34
; Sequence 34, Application US/09489847

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; GENERAL INFORMATION:
; APPLICANT: Rosen et al
; TITLE OF INVENTION: 98 Human Secreted Proteins
; FILE REFERENCE: P2031P1
; CURRENT APPLICATION NUMBER: US/09/489,847
; CURRENT FILING DATE: 2000-01-24
; EARLIER APPLICATION NUMBER: PCT/US99/17130
; EARLIER FILING DATE: 1999-07-29
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; EARLIER APPLICATION NUMBER: 60/095,486
; EARLIER FILING DATE: 1998-08-05
; EARLIER APPLICATION NUMBER: 60/096,319
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 2184
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-489-847-34
```

```
Query Match          5.2%; Score 140.6; DB 4; Length 2184;
Best Local Similarity 47.5%; Pred. No. 1.5e-23;
Matches 620; Conservative 0; Mismatches 664; Indels 21; Gaps 6;

QY 187 GCTACACCAGGAGGCCATTCATTTCCAGCTCTCTGGTGGAGGCTCAAGGCTGCGCTCC 246
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
137 GCTGGAGCAGCGGGGCGAGCCAGATCGCTTCGGCTCCAGGTGGCAGCTGAGGCTAGG 196
QY 247 TG---TTGGGATGTCGACCGTGGCGAGCTTGAAAGCGAGATCTGTGGTGTCTGGA 303
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
197 TGGGCTTCGGCTTCGCGCCACGGGGCCATGGGCTCGCGGACATCTCTGTGGCGGG 256
QY 304 CCGATGGGACACTGCCTATTTTGGGAGCGCTGGAGTGACCCAGAGGGGCGAGATCCACC 363
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
257 TGGCCACAGGGGCGCTTACCTCCAGGATTTATTTACAAATGCAATAGAGTTGAAAA 316
QY 364 TGGATCCCCAGCAGACTACAGCTGTGCGAGTGCAGAGACCCCAAGAGCCCTGACCC 423
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
317 AAGATGCTCAGCAAGATTACCATCTAGAATATGCCATGGAATAATAGCACACACATAA 376
QY 424 TGCTTTTCAAGAGGCCCTTTGGCACCTGCGACCCCAAGGATTACCTCATTTGAAGACGCA 483
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
377 TTGAATTTACCAGAGAGCTGCATACATGTGACATAAATGACAAGATATAACGATAGCA 436
QY 484 CTGTCCACTTGGTCTACCGGATCTGGAGGAGCGCTTCGGGTCTACTGGAGGCCATCAACG 543
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
437 CTGTGAGAGTGTATCTGGGCTTACCACTAAGATGCAAGAGAGTGTGTTCCCAAGTACC 496
QY 544 GCTCGGGCTCGAGATGGGGCTGAGAGGCTGAGCTCTGAAGCCCAATATCCCGCAAC 603
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
497 ---ATGACTCCAATAGGGGACCAAGAGTTTGGGTTATTGATTTCTTGAGAAAAAC---TA 550
QY 604 CGGAGTTGCCCTCAGACCGGTGCAACATGGAGGTCCCAAGCTTCCCAATATCCAGATCCCCA 663
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
551 GTGTGCTATCTACAGCTTACCATATCTTGTATCTGGTAAATCAGGAGCTCCCATCCCAA 610
QY 664 GCCAGGAGACCGCTACTGTGTCTACATTAAAGAGCTTCCAAAGGGTTTCTTCGGGACC 723
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
611 ACAAGATACAAATATTTGGTGCCTAATTTTAAAGTTCTGTGTTCCAAAGAAAGCATC 670
QY 724 ACATTCAAGTAGAGGCCCATCGTCCACCAAGGCGCATGAGGCCCTTGTCCACCATGG 783
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
671 ATGTAATAAAGGTTGAGCCAGTGATACAGAGAGGCCATGAGAGTCTGGTGACACCATCC 730
QY 784 AAGTCTTCCAGTGGCCCCCGA---GATGGACAGCGTCCCCCATCTTACGCGGCCCTGG 840
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

Db 731 TGCTCTATCAGTCGAGCAACAACTTTAAACGACAGGTTCTCGAGTCTCGGCGCACAGGTGCT 790
Qy 841 ACTCAAGATGAACCCGACCGCTCAACTACTGCGCGACGTGCTGCGCCCTCGGGCCC 900
Db 791 ATCAACCCCAACATGCCGATCAATCTCTCACTGTGAACTGTGATTTTTCCTGGGCTA 850
Qy 901 TGGGTGCAAGCAATTTTACTACGAGGAGCGCGCTTGCCTTGGGGGTCCAGGGT 960
Db 851 TTGGTGGAGAGGGCTTTCTTATCCACCTCATGTGGAATATCCCTTGGCACTCCATTTAG 910
Qy 961 CCTCAGATATCTCGCGCTGAAGTTCACTACCAACCACTGGTGATAGAAGCA 1020
Db 911 ATCCGATATGTGCTCTAGAGTCCATTTATGATAATCCCACTTATGAGGAAGCTTAA 970
Qy 1021 ACGACTCTCAGGATCCGCTTGTACTACAGACCAAGCTCGCGGCTTCAACCGGGGA 1080
Db 971 TAGATAATCTCGACTGAGGTTATTTTACACAATGATATAAGGAATATGATGCTGGG 1030
Qy 1081 TCATGGAGCTGGAGTGTGTACAGCGAGTGATGGCCATTTCCACCGGAGACCGCT 1140
Db 1031 TGATTGAGGCTGGGCTCTGGGTGAGCCTCTTCCATACCATCCTCCAGGATGCTGAGT 1090
Qy 1141 TCATCCTCAGCTGCTACTGACGGGCAAGTGC-----ACCCAGCTGGCACTGCCTCC 1192
Db 1091 TCCAGCTGAGGCTCACTGCATCTTGGAGTCCCTGGAGAGCTCTGGAAGCCGAAAGCC 1150
Qy 1193 CTCGGGATCCATCTTCGCTCTCAGCTCCACACACCTGACTGGGAGAAAGTGGT 1252
Db 1151 AAGTGAATTCATGTGTTGCTTCTTCTCATGCTCACTTGGTGGCAGAGCATCAGG 1210
Qy 1253 CACAGTGTGCTCGGAGCGCGGAGTGGAGATCGTGAAACGAGCAATCACTACAG 1312
Db 1211 CTGCGTCATTTTCAAAAGGGAAGAAATGAATTAATTG-CTATGATGATTTTGA 1269
Qy 1313 CCCTCACTCCAGAGATCCGATGTTGAAGAGTGTGTGCTCCATCGGAGATGT 1372
Db 1270 CTTCATTTCCAGAGTTCAGTATCTAAAGGAAGAACAACTTTTACAGAGATAA 1329
Qy 1373 GCTCATCACTCTCGCAGTACAAACAGCAAGACCGGAGCTGGCCACAGTGGGGGCTT 1432
Db 1330 CCTAATTTACTAGTGTGCTACACAGCAAGATAGAGTGAGATGATCTGGGAGGACT 1389
Qy 1433 CGGATCCTGAGGAGATGTGTCAACTAGTGCATCTACTACC 1477
Db 1390 AAGCACCAGGAGTGAATGTCTCTCATACCTCTTTATTACC 1434

RESULT 5

US-09-489-847-116
; Sequence 116, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
; APPLICANT: Rosen et al
; TITLE OF INVENTION: 98 Human Secreted Proteins
; FILE REFERENCE: P2031P1
; CURRENT APPLICATION NUMBER: US/09/489,847
; EARLIER FILING DATE: 2000-01-24
; EARLIER APPLICATION NUMBER: PCT/US99/17130
; EARLIER FILING DATE: 1998-07-29
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; EARLIER APPLICATION NUMBER: 60/095,486
; EARLIER FILING DATE: 1998-08-05
; EARLIER APPLICATION NUMBER: 60/096,319
; EARLIER FILING DATE: 1998-08-12
; EARLIER APPLICATION NUMBER: 60/095,454
; EARLIER FILING DATE: 1998-08-06
; EARLIER APPLICATION NUMBER: 60/095,455
; EARLIER FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 376
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 116
; LENGTH: 2189

; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-489-847-116

Query Match 5.1%; Score 138.4; DB 4; Length 2189;
Best Local Similarity 46.9%; Pred. No. 4.8e-23;
Matches 614; Conservative 0; Mismatches 671; Indels 23; Gaps 5;

Qy 187 GCTACACAGGAGCCATCCATTTCCAGCTCTCTGGTGGGAGGCTCAAGGCTGCGCTCC 246
Db 144 GCTGGAGCGAGCGGGGAGCCAGATCGCTTCCGCTCCAGGTGGCACTCGAGGCTAGC 203
Qy 247 TG---TTTGGGATGTCGACGCTGGCGAGCTTGAGAAACGAGATCTCTGCTGCTGCGA 303
Db 204 TGGGCTTCGGCTTCTCGCCACCGGGCCATGGCGTCCGCCGACATCGTCTGGCGGG 263
Qy 304 CCGATGGGGACACTGCTCTATTTTGGGAGCGCTGGAGTACCAGAGGGGAGATCCACC 363
Db 264 TGGCCCAAGCGGCGGCTTACCTCCAGGATTTATTTACAAATGCAAAATAGAGAGTTGA 323
Qy 364 TGGATCCCAAGAGGACTTACCAGCTGTGAGGTGACAGGAGCCCAAGAGGCTTGACCC 423
Db 324 AAGATGCTCAGCAAGATTAACATCTAGAAATATGCCATGGAATAAGCACACACATAA 383
Qy 424 TGCTTTTCAAGAGCCCTTTGGCACCTGCGACCCCAAGGATTTACCTCATTTGAAGACGCA 483
Db 384 TTGAATTTACAGAGAGCTGCATATGTGACATAAATGACAAGATATAACGGATAGCA 443
Qy 484 CTGTCCACTTGGTCTAGGGATCTGAGAGGCGCTTCCGGTCACTGAGGCGCATCAACG 543
Db 444 CTGTGAGAGTGTCTGGGCTTACCACCATGAAGATGACAGGAGAGCTGGTCCCAAGTACC 503
Qy 544 GCTCGGCGCTGCAGATGGGCTGCAGAGGTTGACAGCTCTGAAGCCCAATATCCCGAAC 603
Db 504 A---TGACTCAATAGGGGACCAAGAGTTTTCGGTTATTGAATCTTGAGAAAC---TA 557
Qy 604 CGGATTTGCCCTCAGACGCGTGCACATGGAGTCCAAAGCTCCCAATATCCAGATCCCA 663
Db 558 GTGTGCTATCTACAGCCTTACCATACCTTTTAAACGACAGCGTTCTTGGAAATCGGGC 617
Qy 664 GCAGGAGACAGTACTGTGTACATTAAGAGCTTCCAAAGGCTTCTCTCGGACCC 723
Db 618 ACAAGATACAACATATTTGGTCCCAATGTTTAAGATTCTCTGTTCACAGAAAGCATC 677
Qy 724 ACATTATCAAGTACGAGCCCATCGTCCACAGGGAATGAGGCCCTTGTCCACACATGG 783
Db 678 ATGTAATAAGGTTGAGCCAGTGAACAGAGGCCATGAGATCTGGTGACCAATCC 737
Qy 784 AAGTCTTCCAGTGGCGCCCGAGATGGACAGCGTCCCGCCACTTCAGCGGGCC-----CTG 838
Db 738 TGCTCTATCAGTCAGCAACAACTTTAAACGACAGCGTTCTTGGAAATCGGGCAGAAATTG 797
Qy 839 CGACTCCAAGATGAACCCGACCGCTCAACTACTGCGCGCACTGCTGCGCGCTCGGCTGG 898
Db 798 CTATACCCCAACATGCGCGATGCTTCTCACCTGTGAAACCTGTGATTTTGGCTGGGC 857
Qy 899 CTGCGGTGCCAAGCAATTTTACTACCCAGAGGAGCGGCTTGCCTTCGGGGTCCAGG 958
Db 858 TATTGGGAGAGGCTTTTCTTATCCACTCATGTTGGATTTATCCCTTGGCACTCCATT 917
Qy 959 GTCTTCCAGATATCTCGCGCTGGAAGTTCACTACCAACCCCACTGGTGATAGAAGACG 1018
Db 918 AGATCCGATTTATGTGCTCTAGAGTCCATTTATGATAATCCCACTTATGAGGAAGCTT 977
Qy 1019 AAGAGCTCTCAGGATCCGCTTGTACTACAGCAAGCAAGCTGCGGCTTCAACGGGG 1078
Db 978 AATAGATAATCTCGAGTGAAGTTATTTTACAAATGATATAAGGAATATGATGTGG 1037
Qy 1079 GATCATGGAGCTGGGACTGGGTGTACAGCCAGTGTGAGGCTTCCACACAGGAGACCGC 1138
Db 1038 GGTGATTGAGGCTGGGCTCTGGGTGAGCTCTTCCATACCATCCCTCCAGGATGCTGA 1097
Qy 1139 CTTCTCATCTCACTGGGTACTGTCAGCGGAGAGTGCACCCAGCTGGCACTG-----CC 1189

Db	1098	GTTCAGTCTGAGGTCACCTGCATCTTTGGAGTGCCTGGAAGAGGCTCTGGAAGCCGAAA	1157
Qy	1190	TCCCTCCGGGATCCACATCTTCGGCTCTCAGCTCCACACACACCTGACTCGGAGAAAGGT	1249
Db	1158	GCCAAAGTGAATTCATGTGTTTGCTGTTCTTCCTCAGCTCACCCTGGCTGGCAGAGCAT	1217
Qy	1250	GGTCACAGTGTGCTCCGGGACGCCGGGAGTGGAGATCGTGAACCAGGACAACTCACTA	1309
Db	1218	CAGGCTCGTCATTTTCGAAAGGGAAGGAAATGAAATTACTTGCCTATCATGATGATTT	1277
Qy	1310	CAGCCCTCACTTCCAGGAGATCCGCATGTTGAGAAGGTCGTGCGTCCATCGGGAGA	1369
Db	1278	TGACTTCAAATTTCCAGAGGTTTCAGTATCTTAAGGAAGAACAAACTCTTACCAAGAGA	1337
Qy	1370	TGTGTCATCACTCTTCGACGTACAAACCGGAAGACCGGGAGTCGGCCACAGTGGGGG	1429
Db	1338	TAACCTAATTACTGAGTGTGCTACAAACGAAAGATAGAGCTGAGATGACTTGGGGAGG	1397
Qy	1430	CTTCGGGATCCTCGAGGAGATGTGTCACTACTAGTGCACCTACTACC	1477
Db	1398	ACTAAGCACCGAGTGAAATGTCTCTCATACCTCTTTATTACC	1445

RESULT 6

```

US-08-974-180-19
; Sequence 19, Application US/08974180
; Patent No. 6025194
; GENERAL INFORMATION:
; APPLICANT: Funk, Walter
; TITLE OF INVENTION: Methods for Modulating and Identifying
; TITLE OF INVENTION: Cellular Senescence
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Geron Corporation
; STREET: 230 Constitution Drive
; CITY: Menlo Park
; STATE: California
; COUNTRY: USA
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,180
; FILING DATE: 19-NOV-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kaster, Kevin R.
; REGISTRATION NUMBER: 32,704
; REFERENCE/DOCKET NUMBER: 206
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 473-7779
; TELEFAX: (650) 473-8654
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1920 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 258..1868
; OTHER INFORMATION: /product= "recombinant GS-GC6
; OTHER INFORMATION: fusion protein"
US-08-974-180-19

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OTHER INFORMATION: fusion protein"
US-08-974-180-19

Query Match 3.8%; Score 102.8; DB 3; Length 1920;
Best Local Similarity 50.2%; Pred. No. 9.4e-15;
Matches 282; Conservative 0; Mismatches 277; Indels 3;

QY	629	CATGAGGTCCAAGCTCCCAATATCCAGATCCCCAGCCAGAGACCACTACTGGTGCTA	688
Db	1253	CTTTGATCTGGTAAATCAGGACGTCCCCATCCCAAAACAAGATACACATATTGGTGCCA	1312
QY	689	CATTAAAGGAGCTTCCAAAGGGCTTCTCTGGCACCAATTATCAAGTACAGAGCCCATCGT	748
Db	1313	AATGTTTAAAGATTCTGTGTTCCAGAAAAAGCATCATGTAATAAAGGTTTGAGCCAGTGAT	1372
QY	749	CACCAAGGGCAATGAGGCCCTTGTTGCCACCATGGAAGTCTTCCAGTGGCCGCCCCGA---	805
Db	1373	ACAGAGAGCCATGAGAGTCTGTGTGACCAACATCTTGCTCTATCAGTGCAGCAACAACATT	1432
QY	806	GATGGAAGCGTCCCCCACTTCAGCGGGCCCTGCGACTCCAAGATGAAGACCCGACGCCCT	865
Db	1433	TACGACAGGGTTCTGAGTCCGCGCCACGAGTGCTATCACCCCAACATGCCGATGCATT	1492
QY	866	CAACTACTCGGCCACAGCTGCTGGCGGCTTGGGCGCTGGGTGCCAAGGCAATTTTACTACCC	925
Db	1493	CCTCACCTGTGAACACTGTGATTTTTCGCTGGGCTATTGGTGGAGAGGGCTTTTCTTATCC	1552
QY	926	AGAGGAAGCGGGCTTCGCTTCGGGGTCCAGGGTCCCTCCAGATATCTCGGCTGGAAGT	985
Db	1553	ACCTCATGTTGGATTATCCCTTGGCACTCAATTAGATCCGATTTATGTGCTCTAGAAGT	1612
QY	986	TCATACCAACACCCACTGGTGTAGAAGGACGAAACGACTCTCCAGGCATCCGCTTGTA	1045
Db	1613	CCATTATGATAATCCCACTTATGAGGAAGGCTTAATAGATAATTCGGACTGAGGTATT	1672
QY	1046	CTACAGGCCAAGCTGGGGCTTCAACGGGGGATCATGAGCTGGGACTGGGTGPACAC	1105
Db	1673	TTACACAATGGATTAAGGAAATATGATGCTGGGTGATTGAGGCTGGGCTCTGGGTGAG	1732
QY	1106	GCCAGTGATGGCCATTTCACCAACGGGAGACCGCTTTCATCTCCTCAGTCTCTGCACGA	1165
Db	1733	CCTCTTCCATPACATCCCTCCAGGATGCTGAGTCCAGTCTGAGGGTCACTGCACGGA	1192
QY	1166	CAAGTGACCCAGCTGGCACTG	1187
Db	1793	GGAGTGCCTGGAAAGAGGCTCTG	1814

RESULT 7

```

US-09-252-991A-7485
; Sequence 7485, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7485
; LENGTH: 1668
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7485

```

	Query Match	1.7%	Score 45.2	DB 4	Length 1668	
	Best Local Similarity	52.1%	Prod. NO. 0.25			
	Matches 101	Conservative 0	Mismatches 93	Indels 0	Gaps 0	
QY	30	AGCATGGCGGAGCAGCCTTTATGTACAGCAGAGTGGCCATCTTCCTGGTCATCCCTG	89			
Db	67	ACCGTTTGAATGGAGGCCGTCATGCGCCTTCGCGCTTTATTCCTGCTTCCTGCCCCCTG	126			
QY	90	GTGCCCGCATGTCAGGGCTGGCTCCCGCTGAGAGCCCCCTCCCTATCATATCCCCCTG	149			

Db 127 CTGCTCGCCAGCCGCGCCGCTCCGCTTGTAGCGTGTGCACGAAAGCCAGCCCGAG 186
Qy 150 GACCCGAGGGTCCCTGGAGCTCTCATGGAATGTGAGTACACCCAGGAGCCATCCAT 209
Db 187 GGTTCGAGCGTGTTCAGTACAACTCGATGACCAACCAAGCCCTCGCGGATGTGCTG 246
Qy 210 TTCCAGCTCTGGT 223
Db 247 ATGAATCGCTGGT 260

RESULT 8

US-09-252-991A-7425
; Sequence 7425, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7425
; LENGTH: 1719
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-7425

Query Match 1.7%; Score 45.2; DB 4; Length 1719;
Best Local Similarity 52.1%; Pred. No. 0.25;
Matches 101; Conservative 0; Mismatches 93; Indels 0; Gaps 0;
Qy 30 AGCATCGCGGAGGAGCCGCTTCATGTACAGCACAGTGGCCATCTTCTGTCATCTG 89
Db 32 ACCGTTCAATGGAGCCGCTCATGGCTTCGCGCTTATCTCTGTTCTCGCCCTG 91
Qy 90 GTGCGGCACATGCGAGGGTTCGGCTCCGCTGAGAGCCCTCCCTATFACATCCCTG 149
Db 92 CTGCTCGCCAGCCGCGCGCTGCGCTTGAGCGTGTGACCGAAGCCAGCCCGAG 151
Qy 150 GACCCGAGGGTCCCTGGAGCTCTCATGGAATGTGAGTACACCCAGGAGCCATCCAT 209
Db 152 GGCTTCGACGTGGTCCAGTACAACTCGATGACCAACCAAGCCCTCGCGGATGTGCTG 211
Qy 210 TTCCAGCTCTGGT 223
Db 212 ATGAATCGCTGGT 225

RESULT 9

US-09-252-991A-9104/c
; Sequence 9104, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 9104
; LENGTH: 696

; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-9104

Query Match 1.7%; Score 45; DB 4; Length 696;
Best Local Similarity 46.4%; Pred. No. 0.21;
Matches 147; Conservative 0; Mismatches 170; Indels 0; Gaps 0;
Qy 92 GGCGCAGTGCAGGGCTCGGCTCCCGTGGAGAGCCCTCCCTATCATCATCCCTCGA 151
Db 571 GGCGCAGTGCAGGTGGCGCGCGCGCTGTTCCCAAGCTGACCTTGAGGCGCTCGCT 512
Qy 152 CCCGAGGGTCCCTGGAGCTCTCATGGAATGTGAGTACACCCAGGAGCCATCATTT 211
Db 511 GTGCTCGGCGCCAAACCGCGCGCACATTTTCGCAACCCCTATTACAACCTGGCGC 452
Qy 212 CCAGTCTCTGTGGAGGCTCAAGGTGGCGTCTGTTGGGATGTCCGACCGTGGGA 271
Db 451 CAACCTGCTCGCCCGCATCTTTCAACCAAGCGCGCTGCGCGCGAGCGCAGCGCT 392
Qy 272 GCTTGAGAACCATGATCTCGTGGTGTCTGGACCGATGGGACACTGCTATTTTGGCGA 331
Db 391 GGCGCGCAGGAAGACTGCTGGAACCTACCGAAGCGATCTCACCGCTTTGCCGA 332
Qy 332 CGCTGGAGTGACCAAGGGGCGAGATCCACTTGATCCCGAGGAGTACCAAGTCTGCT 391
Db 331 CACCGAAGCTCGCTGAACAGCATCGAGCGCTCGACCGCAGCTGCACTGGCAGCAGCA 272
Qy 392 GCAGTGCAGGAGCCC 408
Db 271 GGAGCTGGAGCAGCGC 255

RESULT 10

US-09-252-991A-8878
; Sequence 8878, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 8878
; LENGTH: 753
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-8878

Query Match 1.7%; Score 45; DB 4; Length 753;
Best Local Similarity 46.4%; Pred. No. 0.21;
Matches 147; Conservative 0; Mismatches 170; Indels 0; Gaps 0;
Qy 92 GGCGCAGTGCAGGGCTCGGCTCCCGTGGAGAGCCCTCCCTATCATCATCCCTCGA 151
Db 172 GGCGCAGTGCAGGTGGCGCGCGCTGTTCCCAAGCTGACCTTGAGGCGCTCGCT 231
Qy 152 CCAGTCTCTGTGGAGCTCTCATGGAATGTGAGTACACCCAGGAGCCATCATTT 211
Db 232 GTGCTCGGCGCCAAACCGCGCGCACATTTCCGCAACCCCTATTACAACCTGGCGC 291
Qy 212 CCAGTCTCTGTGGAGGCTCAAGGTGGCGTCTGTTGGGATGTCCGACCGTGGGA 271
Db 292 CAACCTGCTCGCCCGCATCTTTCAACAGCGCGCTGCGCGCGAGCGCAGCGCT 351
Qy 272 GCTTGAGAACGAGATCTCGTGGTGTCTTGACCGATGGGACACTGCTATTTTGGGA 331

Db 352 GCGCGCCAGGAAGAACTGCTGGAAACCTTACCGAAGCGATCTCTACCGCCTTTGCCGA 411
QY 332 CCGCTGGATGACCAAGAGGCGACATCCACTGTGATCCCAAGAGGACTACCACTGCT 391
Db 412 CACCGAAGCCTCGCTGAACAGATCGACGGCCTCGACCGCCAGCTGCACTGGCAGCA 471
QY 392 GCAGGTGCAGAGACCC 408
Db 472 GGAGCTGGAGCGGC 488

RESULT 11

US-09-252-991A-8986
; Sequence 8986, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 8986
; LENGTH: 3450
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-8986

Query Match 1.7%; Score 45; DB 4; Length 3450;
Best Local Similarity 46.4%; Pred. No. 0.35; Indels 0; Gaps 0;
Matches 147; Conservative 0; Mismatches 170;

QY 92 GCGCGCACTGCGAGGCTCGGCTCCCGTGAAGCGCCCTTCCCTATCACATCCCGCTGGA 151
Db 2928 GCGCGAGCTGAGGTGGCGCGCGCTGTTCCCAAGTGACCTGAGCGCTCGCT 2987
QY 152 CCGGAGGGTCCCTGAGCTCTCATGATGTGAGTACACGAGGAGGCATTCATTT 211
Db 2988 GTGCTCGCGGCCAACCGCGCGCCGACACTTTCCGCAACCCCTATTACAACTGGCGC 3047
QY 212 CCAGCTCTGCTGCGGAGGCTCAAGGCTGCGTCTGTTGGGATGCCGACCGTGGCGA 271
Db 3048 CAACCTGCTGCCCGGATCTTCACACGCGCGCTGCGCGCGAGCGCGAGCGCT 3107
QY 272 GCTTGAGAACGAGATCTGCTGGTCTGGAACGATGGGACACTGCTTATTTGCGGA 331
Db 3108 GCGCGCCAGGAAGACTGCTGGAACCTACCGCAAGGCGATCCTCACCGCCTTTGCCGA 3167
QY 332 CGCTCGAGTGACAGAGGGGAGATCCACTGGATCCCGAGGAGGACTACCACTGCT 391
Db 3168 CACGGAACGCTGCTGAACAGCATCGACGCGCTCGACCGCCAGCTGCACTGGCAGGCA 3227
QY 392 GCAGGTGCAGAGGACCC 408
Db 3228 GGAGCTGGAGCGGC 3244

RESULT 12

US-08-403-852D-4
; Sequence 4, Application US/08403852D
; Patent No. 5891695
; GENERAL INFORMATION:
; APPLICANT: Blanc, Veronique
; APPLICANT: Blanche, Francis
; APPLICANT: Crouzet, Joel
; APPLICANT: Jacques, Nathalie
; APPLICANT: Lacroix, Patricia
; APPLICANT: Thibaut, Denis

; APPLICANT: Zagorec, Monique
; APPLICANT: Debussche, Laurent
; APPLICANT: De Crecy-Lagard, Valerie
; TITLE OF INVENTION: Polypeptides Involved In The
; TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences
; TITLE OF INVENTION: Coding For These Polypeptides And Their Use
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner
; STREET: 1300 I Street, N.W., Suite 700
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/403,852D
; FILING DATE: 10-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR 93/00923
; FILING DATE: 25-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/11441
; FILING DATE: 25-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 03806.0054-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4000
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1208 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: S.pristinaespiralis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1208
; US-08-403-852D-4

Query Match 1.6%; Score 44.4; DB 2; Length 1208;
Best Local Similarity 46.8%; Pred. No. 0.35;
Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;

QY 1152 GGCTACTGCACGCAAGTGACCCAGCTGGCAGTCCCTCCGCGGATCCACATCTTC 1211
Db 403 GGCTAGCCACCGACGAGACCCCTCGCTGATGCGCTGCCATCGAGCTGCCACCGC 462
QY 1212 GCCTCTCAGTCCACACACACTGACTGGGAGAAAGGTGTCACAGTGTGTCGCGGAC 1271
Db 463 CTCTCGCGCGGCTCACCGAGGTCCGCAAGGACGCGACCGTCCCTACTCTGCGCCCGAC 522
QY 1272 GSCCGG---GAGTGGGAGATCGTGAACGAGGACATCACTACAGCCCTCACTTCAGGAG 1328
Db 523 GCGAAGACCCAGGTCAACATCGAGTACGAGGCGAGCCCGCGGTGCGCTGGACACCGTC 582
QY 1329 ATCCGCACTTTGAGAGAGGTGCTGTCGCTCCATCCGCGAGATGTGCTCATCACCTCTTCG 1388
Db 583 GTGCTCTCTCCAGCAGCGCGGACATCGACCTCGGCTCCCTGCTCACTCCCGGAGATC 642
QY 1389 ACGTACACACGGAAGACCGGAGCTGGCCACAGTGGGGGGCTTCGGGATCTCTGAGGAG 1448

Db 643 CGCAGCAGCTCGTTCGAGCAGCTCTCGCGCAGCTCGCGGAGGACGGGATCAAGCTCGAG 702
Qy 1449 ATGTGTGTAACACTAGTGCACCTACTACCCACAGACGAGCTGGAGCTCTGCAAGACGGCT 1508
Db 703 ACGGAACTACCGCTGCTGTCAACCGACCGCGCTTCGAGATCGGCGGCCGATG 762
Qy 1509 GTGGAGCGCGCTT 1522
Db 763 GCGAGCGCGGCT 776

RESULT 13

US-08-510-646B-4

; Sequence 4, Application US/08510646B

; Patent No. 607699

; GENERAL INFORMATION:

; APPLICANT: Blanc, Veronique

; APPLICANT: Blanche, Francis

; APPLICANT: Crouzet, Joel

; APPLICANT: Jacques, Nathalie

; APPLICANT: Lacroix, Patricia

; APPLICANT: Thibaut, Denis

; APPLICANT: Zagorec, Monique

; APPLICANT: Debussche, Laurent

; APPLICANT: De Crecy-Lagard, Valerie

; TITLE OF INVENTION: Polypeptides Involved In The

; TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences

; TITLE OF INVENTION: Coding For These Polypeptides And Their Use

; NUMBER OF SEQUENCES: 45

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner

; STREET: 1300 I Street, N.W., Suite 700

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20005-3315

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA: US/08/510.646B

; FILING DATE: 03-AUG-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/403,852

; FILING DATE: 10-MAY-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/FR 93/00923

; FILING DATE: 25-SEP-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: FR 92/11441

; FILING DATE: 25-SEP-1992

; NAME: Meyers, Kenneth J.

; ATTORNEY/AGENT INFORMATION:

; REGISTRATION NUMBER: 25,146

; REFERENCE/DOCKET NUMBER: 03806.0054-01000

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 408-4000

; TELEFAX: (202) 408-4400

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1208 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; ORIGINAL SOURCE:

; ORGANISM: S.prietinaespiralis

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 1..1208

US-08-510-646B-4

Query Match 1.6%; Score 44.4; DB 3; Length 1208;

Best Local Similarity 46.8%; Pred. No. 0.35;

Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;

Qy 1152 GGCTACTGCAGGCAAGTGCACCCAGCTGGCAGCTCCCTCCCGGGATCCACATCTTC 1211

Db 403 GGCTACGCCACCGAGGAGACCCCTCGCTGATGCGCTGCCCATCGAGCTGCCACCGC 462

Qy 1212 GCCTCTCAGTCCACACACACTGACTGGGAGAAAGTGGTACAGTCTGTTCGGGAC 1271

Db 463 CTCTCGCGCCGCTCACCGAGTCCGGAAGACGCGACCGTCCCTACTTGGCCCCGAC 522

Qy 1272 GGCCGG---GAGTGGGAGATCGTGAACCCAGGACATCACTACAGCCCTCACTTCCAGGAG 1328

Db 523 GGCAAGACCCAGGTCAACATCGATACCAAGGCGACCGCCGCTGCGCTGGACACCGTC 582

Qy 1329 ATCCGCATGTTGAAGAGGTGCTGTGCGGTCCATCCGGGAGATGTGCTCATCACCTCTTC 1388

Db 583 GTCGTCTCTCCAGCAGCGCGGACATCGACTCTGGCTCCCTGCTCACCCCGACATC 642

Qy 1389 ACGTACAACACGGAAGACCGGGAGCTGGCCACAGTGGGGGGCTTCGGGATCTCGAGGAG 1448

Db 643 CGCGAGCAGGTGCTGCGAGCAGTCTCGCGCAGTCTCGCGGAGGAGCGCATCAAGCTCGAG 702

Qy 1449 ATGTGTGTAACACTAGTGCACCTACTACCCCGAGAGGAGTGGAGCTCTGCAAGACGGCT 1508

Db 703 ACGGACAACCTACCGCTGCTGTGTCACCCGACCGCGCTTCGAGATCGGCGGCCGATG 762

Qy 1509 GTGGAGCGCGGCTT 1522

Db 763 GCGAGCGCGGCT 776

RESULT 14

US-09-231-818-4

; Sequence 4, Application US/09231818

; Patent No. 6171846

; GENERAL INFORMATION:

; APPLICANT: Blanc, Veronique

; APPLICANT: Blanche, Francis

; APPLICANT: Crouzet, Joel

; APPLICANT: Jacques, Nathalie

; APPLICANT: Lacroix, Patricia

; APPLICANT: Thibaut, Denis

; APPLICANT: Zagorec, Monique

; APPLICANT: Debussche, Laurent

; APPLICANT: De Crecy-Lagard, Valerie

; TITLE OF INVENTION: Polypeptides Involved In The

; TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences

; TITLE OF INVENTION: Coding For These Polypeptides And Their Use

; NUMBER OF SEQUENCES: 43

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner

; STREET: 1300 I Street, N.W., Suite 700

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20005-3315

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/231,818

; FILING DATE:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/403,852

; FILING DATE: 10-MAY-1995

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/ APPLICATION NUMBER: PCT/FR 93/00923
/ FILING DATE: 25-SEP-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: FR 92/11441
/ FILING DATE: 25-SEP-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 03806.0054-00000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 408-4400
/ TELEFAX: (202) 408-4400
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1208 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: S.pristinaespiralis
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 1..1208
/
US-09-231-818-4

Query Match
Best Local Similarity 46.8%; Score 44.4; DB 3; Length 1208;
Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;

QY 1152 GGCTACTGACGACCAAGTGCAACCCAGCTGGCACTCCCTCCCGGATCCACATCTTC 1211
Db |||||
QY 403 GGCTACGCCACCGACGAGACCCCTCGTGATGCGCTGCCATCGAGCTCGCCACCGC 462
Db |||||
QY 1212 GCCTCTCAGCTCCACACACACTGACTGGGAGAAAGTGTCACAGTGTGGTCCGGGAC 1271
Db |||||
QY 463 CTCTCGCGCGGCTCACCAGGTCGCAAGGACCGTCCCTACCTCGCGCCCGAC 522
Db |||||
QY 1272 GCGCGG---GAGTGGAGATCGTGAACAGGACATCACTACAGCCCTCACTTCCAGGAG 1328
Db |||||
QY 523 GCGAAGACCCAGGTCAACCATCAGTACCGAGGACCGCGGTCGCTTGGACACCGTC 582
Db |||||
QY 1329 ATCCGCATGTTCAAGAGTGTGTCGCTCCATCGGGAGATGTCATCACTCTCTGC 1388
Db |||||
QY 583 GTCGTCTCTCCAGACGCGCCGACATCGACCTCGGCTCCCTGCTCACCCCGACATC 642
Db |||||
QY 1389 AGGTACAAACGGAAGACCGGAGCTGGCCACAGTGGGGCTTCGGGATCTTGGAGGAG 1448
Db |||||
QY 643 CGCGAGCACGTCGTCGAGACGTCCTCGCGCACTCGCCGAGACGCGATCAAGCTCGAG 702
Db |||||
QY 1449 ATGTGTGTCACTAGTGTCACTACTACCCAGACGAGTGGAGCTTGCAGACGGCT 1508
Db |||||
QY 703 ACGAACAATACCCGCTGTGTTCAACCCGACCGGCGGTTTCAGATCGCGGCGGATG 762
Db |||||
QY 1509 GTGACGCGGGCTT 1522
Db |||||
QY 763 GCGACGCGGGCT 776
Db |||||

RESULT 15
US-08-403-852D-1
/ Sequence 1, Application US/08403852D
/ Patent No. 5891695
/ GENERAL INFORMATION:
/ APPLICANT: Blanc, Veronique
/ APPLICANT: Blanche, Francis
/ APPLICANT: Crouzet, Joel
/ APPLICANT: Jacques, Nathalie
/ APPLICANT: Lacroix, Patricia
/ APPLICANT: Thibaut, Denis
/ APPLICANT: Zagorec, Monique

/ APPLICANT: Debussche, Laurent
/ APPLICANT: De Crecy-Lagard, Valerie
/ TITLE OF INVENTION: Polypeptides Involved In The
/ TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences
/ TITLE OF INVENTION: Coding For These Polypeptides And Their Use
/ NUMBER OF SEQUENCES: 43
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Fimegan, Henderson, Farabow, Garrett & Dunner
/ STREET: 1300 I Street, N.W., Suite 700
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: USA
/ ZIP: 20005-3315
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/403,852D
/ FILING DATE: 10-MAY-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: PCT/FR 93/00923
/ FILING DATE: 25-SEP-1993
/ APPLICATION DATA:
/ APPLICATION NUMBER: FR 92/11441
/ FILING DATE: 25-SEP-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 03806.0054-00000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 408-4400
/ TELEFAX: (202) 408-4400
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 5392 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: S.pristinaespiralis
/
US-08-403-852D-1

Query Match
Best Local Similarity 46.8%; Score 44.4; DB 2; Length 5392;
Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;

QY 1152 GGCTACTGACGACCAAGTGCAACCCAGCTGGCACTCCCTCCCGGATCCACATCTTC 1211
Db |||||
QY 3960 GGCTACGCCACCGACGAGACCCCTCGTGATGCGCTGCCATCGAGCTCGCCACCGC 4019
Db |||||
QY 1212 GCCTCTCAGCTCCACACACACTGACTGGGAGAAAGTGTCACAGTGTGGTCCGGGAC 1271
Db |||||
QY 4020 CTCTCGCGCGGCTCACCAGGTCGCAAGGACCGTCCCTACCTCGCGCCCGAC 4079
Db |||||
QY 1272 GCGCGG---GAGTGGAGATCGTGAACAGGACATCACTACAGCCCTCACTTCCAGGAG 1328
Db |||||
QY 4080 GCGAAGACCCAGGTCAACCATCGAGTACAGGCGCGCCCGTGGCTGGACACCGTC 4139
Db |||||
QY 1329 ATCCGCATGTTGAAGAGTGTGTCGCTCCATCGGGAGATGTCATCACTCTCTGC 1388
Db |||||
QY 4140 GTCGTCTCTCCAGACGCGCCGACATCGAGCTCGGCTCCCTGCTCACCCCGACATC 4199
Db |||||
QY 1389 ACGTACAAACGGAAGACCGGAGCTGGCCACAGTGGGGGGCTTCGGATCTCTGGAGGAG 1448
Db |||||
QY 4200 CGCGAGCACGTCGTCGAGCACGTCCTCGCGCACTCGCCGAGGACGGATCAAGTCTGAG 4259
Db |||||
QY 1449 ATGTGTGTCACTAGTGTCACTACTACCCCGACGAGCTGGAGCTTGCAGACGGCT 1508
Db |||||
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Db 4260 ACGGACAACTACCGCTGCTGTAACCGGACCGCGCTTCGAGATCGGGGCCCGATG 4319

Qy 1509 GTGACGCGGCTT 1522

Db 4320 GCGGACGCGGCTT 4333

RESULT 16

US-08-510-646B-1

; Sequence 1, Application US/08510646B

; Patent No. 6077699

; GENERAL INFORMATION:

; APPLICANT: Blanc, Veronique

; APPLICANT: Blanche, Francis

; APPLICANT: Crouzet, Joel

; APPLICANT: Jacques, Nathalie

; APPLICANT: Lacroix, Patricia

; APPLICANT: Thibaut, Denis

; APPLICANT: Zagorec, Monique

; APPLICANT: Debussche, Laurent

; APPLICANT: De Crecy-Lagard, Valerie

; TITLE OF INVENTION: Polypeptides Involved In The

; TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences

; TITLE OF INVENTION: Coding For These Polypeptides And Their Use

; NUMBER OF SEQUENCES: 45

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner

; STREET: 1300 I Street, N.W., Suite 700

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20005-3315

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/510.646B

; FILING DATE: 03-AUG-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/403,852

; FILING DATE: 10-MAY-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/FR 93/00923

; FILING DATE: 25-SEP-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: FR 92/11441

; FILING DATE: 25-SEP-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Meyers, Kenneth J.

; REGISTRATION NUMBER: 25,146

; REFERENCE/DOCKET NUMBER: 03806.0054-01000

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 408-4000

; TELEFAX: (202) 408-4400

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5392 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; ORIGINAL SOURCE:

; ORGANISM: S.pristinaespiralis

US-08-510-646B-1

Query Match 1.6%; Score 44.4; DB 3; Length 5392;

Best Local Similarity 46.8%; Pred. No. 0.57;

Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;

Qy 1152 GGCTACTGACGGACAAGTGACCCAGCTGGCACTGCCTCCCTCCGGGATCCACATCTTC 1211

Db 3960 GGCTAGCCACCGACGAGACCCCTCGCTGATCGCGCTGCCATCGAGCTCGCCACCGC 4019

Qy 1212 GCCTCTAGCTCCACACACACTGACTGGGAGAAGGTGTGCACAGTCTGTGTCGGGAC 1271

Db 4020 CTCTCGCGCCGCTCACCGAGGTCGCAAGGACGGCACCGTCCCTACCTGCGCCCGAC 4079

Qy 1272 GGCCGG--GAGTGGGAGATCGTGAACCCAGGACAAATCACTACAGCCCTCACTTCCAGGAG 1328

Db 4080 GGCAAGACCCAGGTCAACATCGAGTACCAAGGACGCCGCCGGTGGCTTGACACCGTTC 4139

Qy 1329 ATCCGCATGTTGAAGAAGGTCTGTGCGTCCATCCGGGAGATGTGCTCATCACCTTCTTC 1388

Db 4140 GTGCTCTCTCCAGCACGCCGCGACATCGACCTCGCTCCCTGCTCACCCCGACATC 4199

Qy 1389 ACGTACAACACGGAAGACCGGGAGCTGGCCACAGTGGGGGCTTCGGGATCTCGAGGAG 1448

Db 4200 CGCGAGCACGTCGTCGAGCACGCTCTCGCCGACCTCGCCGAGGACGGCATCAAGCTCGAG 4259

Qy 1449 ATGTGTGTCACACTACGTGCACTACTACCCCGACAGCAGCTGGAGCTCTGCAAGACGCT 1508

Db 4260 ACGGACAACTACCGCTGCTGTAACCGGACCGCGCTTCGAGATCGGGGCCCGATG 4319

Qy 1509 GTGGACGCGGCTT 1522

Db 4320 GCGGACGCGGCTT 4333

RESULT 17

US-09-231-818-1

; Sequence 1, Application US/09231818

; Patent No. 6171846

; GENERAL INFORMATION:

; APPLICANT: Blanc, Veronique

; APPLICANT: Blanche, Francis

; APPLICANT: Crouzet, Joel

; APPLICANT: Jacques, Nathalie

; APPLICANT: Lacroix, Patricia

; APPLICANT: Thibaut, Denis

; APPLICANT: Zagorec, Monique

; APPLICANT: Debussche, Laurent

; APPLICANT: De Crecy-Lagard, Valerie

; TITLE OF INVENTION: Polypeptides Involved In The

; TITLE OF INVENTION: Biosynthesis Of Streptogramins, Nucleotide Sequences

; TITLE OF INVENTION: Coding For These Polypeptides And Their Use

; NUMBER OF SEQUENCES: 43

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & Dunner

; STREET: 1300 I Street, N.W., Suite 700

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20005-3315

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/231,818

; FILING DATE:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/403,852

; FILING DATE: 10-MAY-1995

; APPLICATION NUMBER: PCT/FR 93/00923

; FILING DATE: 25-SEP-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: FR 92/11441

; FILING DATE: 25-SEP-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Meyers, Kenneth J.

REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03806.0054-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5392 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: S.pristinaeapiralis
US-09-231-818-1

Query Match 1.6%; Score 44.4; DB 3; Length 5392;
Best Local Similarity 46.8%; Pred. No. 0.57;
Matches 175; Conservative 0; Mismatches 196; Indels 3; Gaps 1;
QY 1152 GGCTACTGACGACAAAGTGCACCCAGCTGGCACTGCCTCCCGGGATCCACATCTTC 1211
Db 3960 GGTACGCCACCGACGAGACCCCTCGCTGATGCCGCTGCCCATCGAGCTGCCACCGC 4019
QY 1212 GCTCTCAGCTCCACACACCTGACTGGGAGAAAGTGGTCACAGTGTCTGGCGGAC 1271
Db 4020 CTCTCGCGCGGTCAACCGAGGTCCGCAAGGACCGCTCCCTACTCTGGCCCGGAC 4079
QY 1272 GCGCGG--GAGTGGAGATCTGATCGGTCCATCCGGAGATGTCTCATCTTCAGGAG 1328
Db 4080 GCGACAGCCAGGTCAACATCAGTACCGAGGACCGCGCGGTGGCGCTGGACACCGTC 4139
QY 1329 ATCCGCAATGTTGAAGAAGTGTGTCTGCTCCATCCGGAGATGTCTCATCTTCAGGAG 1388
Db 4140 GTGCTCTCTCCACGACGCGCCGACATGACCTCGCTCCCTGCTACCCCGGACATC 4199
QY 1389 AGCTACACACGGAAGACGGGAGTGCCACAGTGGGGGCTTCGGGATCCTGGAGGAG 1448
Db 4200 CCGGAGCACGTGTCGAGACGCTCTCGCGCACTCGCGGAGGACGCATCAAGCTCGAG 4259
QY 1449 ATGTGTGTTCAACTAGTCACTACTTACCCCGAGCAGCTGGAGCTCTGCAAGACGGCT 1508
Db 4260 ACGGACAACTACCGCTCTGCTGTTCAACCCGACCGCGCGTTCGAGATCGCGCGCGATG 4319
QY 1509 GTGACGCGCGCTT 1522
Db 4320 GCGGACGCGCGCT 4333

RESULT 18
US-09-252-991A-10998
; Sequence 10998, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10998
; LENGTH: 993
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10998

Query Match 1.6%; Score 43.8; DB 4; Length 993;
Best Local Similarity 46.3%; Pred. No. 0.49;
Matches 144; Conservative 0; Mismatches 167; Indels 0; Gaps 0;
QY 1277 GGAGTGGGAGATCGTGAACACGAGCAATCACTACAGCCCTCACTCCAGGAGATCCGCAT 1336
Db 462 GGAGCCGAAGATCTCTCTCGACGAACCTTCGCGCCCTCGACGCCAAGGTACGCAA 521
QY 1337 GTTGAAGAAGTGTGTCTCGGTCCATCCGGAGATGTCTCATCACTCTTCGACGTACAA 1396
Db 522 GGAGCTGGCGCTGGCTGGCGCTGTCACGAGGAGATCAACTGACCTCGGTGTCTGT 581
QY 1397 CACGGAAGACGGGAGCTGGCCACAGTGGGGGCTTCGGGATCCTGGAGGAGATGTGTGT 1456
Db 582 CACCCACGACGAGGAAGCGATGGAAGTGGCGGCGCATCTGTGTGATGAACAAGGG 641
QY 1457 CAACTACGTGCTACTACCCCGACGACGAGCTGGAGCTCTGCAAGACGGCTTGTGACGC 1516
Db 642 CGTGATCGAGCAGATCGGCTCGCCCGGAGGTCTACGAGAACCCGCGCAGCATTTCTGT 701
QY 1517 CGGCTTCCTCGAGAAGTACTTCCACCTCATCAACAGGTTCAACACGAGGATGTCTGCAC 1576
Db 702 CTACCACTTCTCGGCGACTTCCACCGCTGCACTGGGCAACGACCACTGCTGT 761
QY 1577 CTGCTCTCAGG 1587
Db 762 CGCCCCCAG 772

RESULT 19
US-09-252-991A-10934
; Sequence 10934, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 10934
; LENGTH: 1335
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-10934

Query Match 1.6%; Score 43.8; DB 4; Length 1335;
Best Local Similarity 46.3%; Pred. No. 0.49;
Matches 144; Conservative 0; Mismatches 167; Indels 0; Gaps 0;
QY 1277 GGAGTGGGAGATCGTGAACACGAGCAATCACTACAGCCCTCACTCCAGGAGATCCGCAT 1336
Db 439 GGAGCCGAAGATCTCTCTCGACGAACCTTCGCGCCCTCGACGCCAAGGTACGCAA 498
QY 1337 GTTGAAGAAGTGTGTCTCGGTCCATCCGGAGATGTCTCATCACTCTTCGACGTACAA 1396
Db 499 GGAGCTGGCGCTGGCTGGCGCTGTCACGAGGAGATCAACTGACCTCGGTGTCTGT 558
QY 1397 CACGGAAGACCGGAGCTGGCCACAGTGGGGGCTTCGGGATCCTGGAGGAGATGTGTGT 1456
Db 559 CACCCACGACGAGGAAGCGATGGAAGTGGCGGCGCATCTGTGTGATGAACAAGGG 618
QY 1457 CAACTACGTGCTACTTACCCCGACGAGCTGGAGCTCTGCAAGACGGCTTGTGACGC 1516
Db 619 CGTGATCGAGCAGATCGGCTCGCCCGGAGGTCTACGAGAACCCGCGCAGCATTTCTGT 678
QY 1517 CGGCTTCCTCGAGAAGTACTTCCACCTCATCAACAGGTTCAACACGAGGATGTCTGCAC 1576

Db 679 CTACCACTTCTCGGCGACTCAACCGCCTGCAACTGGGCAACGACGACCTGCTGTT 738
Qy 1577 CTGCGCTCAGG 1587
Db 739 CCGCCCCCAGC 749

RESULT 20

US-09-252-991A-11254/c
; Sequence 11254, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 11254
; LENGTH: 2178
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-11254

Query Match 1.6%; Score 43.8; DB 4; Length 2178;
Best Local Similarity 46.3%; Pred. No. 0.58;
Matches 144; Conservative 0; Mismatches 167; Indels 0; Gaps 0;
Qy 1277 GGAGTGGGAGATCGTGAACAGGACATCACTACAGCCCTCACATCCAGGAGATCCGCAT 1336
Db 802 GGACCCGAAGATCTGCTCTCGAGAACCTTCGGGCGCTCGACGCAAGGTACGCA 743
Qy 1337 GTTGAAGAAGTGTGTGGTCCATCCGGGAGATGTGCTCATCATCTCTGSCAGTACAA 1396
Db 742 GGAGTGGCGCGTGGTGGCGCTGACAGGAGATCAACTGACCTCGGTGTTGCT 683
Qy 1397 CACGGAGACCGGAGTGGCCACAGTGGGGGCTTCGGATCTCGAGAGATGTGTGT 1456
Db 682 CACCCACGACAGAGAGCGATGGAAGTGGCGCGCATCGTGTGTATGAACAAGGG 623
Qy 1457 CAACCTAGTGCATCTACCCACAGACGACGTGGAGCTCTGCAAGACGGTGTGGACGC 1516
Db 622 CGTATCGAGCAGATCGCTCGCCGGGAGGTCTACAGAACCCCGCCAGCGATTTGCT 563
Qy 1517 CGGCTTCTCGAGAAGTACTTCCACCTCATCAACAGGTTCAACACGAGGATGTCTGCAC 1576
Db 562 CTACCACTTCTCGGCGACTCCACCGCCTGCAACTGGGCAACGACGACCTGCTGTT 503
Qy 1577 CTGCGCTCAGG 1587
Db 502 CCGCCCCCAGC 492

RESULT 21

US-09-548-938A-1
; Sequence 1, Application US/09548938A
; Patent No. 6573086
; GENERAL INFORMATION:
; APPLICANT: EMALFARB, MARK AARON
; APPLICANT: BURLINGAME, RICHARD PAUL
; APPLICANT: OLSON, PHILIP TERRY
; APPLICANT: SINITSYN, ARKADY PANTELEIMONOVICH
; APPLICANT: PARRICHE, MARTINE
; APPLICANT: BOUSSON, JEAN CHRISTOPHE
; APPLICANT: PYNNONE, CHRISTINE MARIE
; APPLICANT: PUNT, PETER JAN
; APPLICANT: VAN-ZEIJL, CORNELIA MARIA JOHANNA
; TITLE OF INVENTION: TRANSFORMATION SYSTEM IN THE FIELD OF FILAMENTOUS FUNGI

; FILE REFERENCE: 3123-4001
; CURRENT APPLICATION NUMBER: US/09/548,938A
; CURRENT FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4451
; TYPE: DNA
; ORGANISM: Chrysosporium lucknowense
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (2941)
; OTHER INFORMATION: a, t, c, g, other or unknown
US-09-548-938A-1

Query Match 1.6%; Score 43; DB 4; Length 4451;
Best Local Similarity 43.2%; Pred. No. 1.1; Indels 0; Gaps 0;
Matches 202; Conservative 0; Mismatches 266;
Qy 1379 CACCTCTGCACGTACAAACAGGACCGGAGCTGGCCACAGTGGGGGCTTCGGGAT 1438
Db 2878 CACTCCATCACCCAGGACTGGTGGACCGCCAGAGGCGCTTCGCGAGGTGACCGA 2937
Qy 1439 CTTGGAGGAGATGTGTCAACTAGTGTCACTACTACCCCGACAGCAGCTGGAGCTCTG 1498
Db 2938 CTTNCAGGACAAGGGCGGCATGGTCCAGATGGGCAAGCGCTCGCGGGGCCCATGTGCT 2997
Qy 1499 CAAGACGGTGTGGAGCGCGGCTTCCTGCAAGAGTACTTCCACCTCATCAACAGTTCAA 1558
Db 2998 CGTCATGTCCATCTGGAGACACACGCGCTCAACATGCTCTGGCTCGACTCCACCTGGCC 3057
Qy 1559 CAACGAGGATGTGCACTGCGCTCAGGGGTCGCTCTCAGCAGTTCACCTCTGTTCC 1618
Db 3058 CATCGAGCGCGCGGCAAGCGGGGCGGCTGCTGCCCCACCACTCGGGCGT 3117
Qy 1619 CTGGAATCTTCAACCGGACGTACTGAAGGCGCTGTA CAGTTTCGGGGCCATCTCCAT 1678
Db 3118 CCGCGTGTAGTGTGAGCGCGGAGCGCCCAACTCCCAAGTCACTCTTCTCAACATCCGCTT 3177
Qy 1679 GCATGCAACAAGTCTCTCAGCGCTCGCTTCCAGGGTGAATGGAACCTCGAGCCCCCTGCC 1738
Db 3178 CGGCCCCATCGGTCTCACCTCTCCGCGCTCGCCGCGGAGCGGCGGCAACCCCAACCC 3237
Qy 1739 CAAGGTCTATCCACACTGGAAGAGCCACCCACAGTGCCTCCAGCGCCAGCGGCGCGAAG 1798
Db 3238 GCCGTGAGTCTCCACCCCGTCCCTCTCTGTCACCACTCTCTCCGCTTCTCCGG 3297
Qy 1799 CCTGTGCCCCCAGCGTTGTCTAGCATTTGTGGGGGCAAGGCTGAGG 1846
Db 3298 CCGGACTGGCGGCAAGGCTGCTGCTAAGCACTATGAGCAATGCGGAGG 3345

RESULT 22

US-08-386-727-7
; Sequence 7, Application US/08386727
; Patent No. 5792647
; GENERAL INFORMATION:
; APPLICANT: ROSEMAN, SAUL
; APPLICANT: BASSLER, BONNIE
; APPLICANT: KEYHANI, NEMAT O.
; APPLICANT: CHITLARI, EDITH
; APPLICANT: ROWE, CHRIS
; APPLICANT: YU, CHARLES
; TITLE OF INVENTION: BACTERIAL CATABOLISM OF CHITIN
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
; STREET: 1100 NEW YORK AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: US/08/386,727
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: HOBBS, ANN S.
REGISTRATION NUMBER: 36,830
REFERENCE/DOCKET NUMBER: 4130/206916
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2951 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-386-727-7

Query Match 1.6%; Score 42.8; DB 1; Length 2951;
Best Local Similarity 49.1%; Pred. No. 1.1;
Matches 113; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 378 GACTACACGCTGTCAGGTGCGAGGACCCAGAGGCGCTGACCCCTCTTTCAAGAGG 437
Db 836 GGCAACCTGATGGCTGAAGAAAGCCAAACCTCAAGATCCTGCCCTTCGGTGGT 895
QY 438 CCCTTTGGCACCTGGACCCCAAGGATTACCTCATTTGAAGAGCGCACTGTCCACTTGGTC 497
Db 896 GGCTGACCTGTCGACCCCTTCTACTTCTCAGTGACAAGACGCGGACACCTTC 955
QY 498 TACGGATCTCGAGAGCGGCTTCGGTCACTGGAGGCCATCAACGGCTCGGGCTGCAG 557
Db 956 GTGCGCTCATGAAGGATGACTGCGAGACCTGGAAATTTCTCGATGGCGTGACATCGAC 1015
QY 558 ATGGGGTGCAGAGGCTGCGCTCTCTGAAGCCCAATATCCCGAACCGGA 607
Db 1016 TGGGAGTTCCTGGGTGGCAGGTCGCAACCCCAATCTGGGTGCCCGGAA 1065

RESULT 23
US-08-600-452A-7
Sequence 7, Application US/08600452A
Patent No. 5985644
GENERAL INFORMATION:
APPLICANT: ROSEMAN, SAUL
APPLICANT: BASSLER, BONNIE
APPLICANT: KEYHANI, NEMAT O.
APPLICANT: CHITLURU, EDITH
APPLICANT: ROWE, CHRIS
APPLICANT: YU, CHARLES
TITLE OF INVENTION: BACTERIAL CATABOLISM OF CHITIN
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: FISH & RICHARDSON P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/600,452A

FILING DATE: 13-FEB-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Haile, Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07662/005001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
TELEX:
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2951 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-600-452A-7

Query Match 1.6%; Score 42.8; DB 2; Length 2951;
Best Local Similarity 49.1%; Pred. No. 1.1;
Matches 113; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 378 GACTACACGCTGTCAGGTGCGAGGACCCAGAGGCGCTGACCCCTGCTTTCAAGAGG 437
Db 836 GGCAACCTGATGGCTGAAGAAAGCCAAACCTCAAGATCCTGCCCTTCGGTGGT 895
QY 438 CCCTTTGGCACCTGGACCCCAAGGATTACCTCATTTGAAGAGCGCACTGTCCACTTGGTC 497
Db 896 GGCTGACCTGTCGACCCCTTCTACTTCTCAGTGACAAGACGCGGACACCTTC 955
QY 498 TACGGATCTCGAGAGCGGCTTCGGTCACTGGAGGCCATCAACGGCTCGGGCTGCAG 557
Db 956 GTGCGCTCATGAAGAGTACCTGCGAGACCTGGAAATTTCTCGATGGCGTGACATCGAC 1015
QY 558 ATGGGGTGCAGAGGCTGCGCTCTCTGAAGCCCAATATCCCGAACCGGA 607
Db 1016 TGGGAGTTCCTGGGTGGCAGGTCGCAACCCCAATCTGGGTGCCCGGAA 1065

RESULT 24
US-09-103-840A-2/c
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.

TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
US-09-103-840A-2

Query Match 1.6%; Score 42.6; DB 3; Length 4403765;
Best Local Similarity 44.5%; Pred. No. 13;
Matches 213; Conservative 0; Mismatches 264; Indels 2; Gaps 1;

QY 424 TGCTTTTCAAGAGGCGCTTTGGCACCCTGGCGCCCAAGGATTACCTCATTTGAAGCGCA 483
Db 1605204 TGCTTTTCAAGAGGCGCTTTGGCACCCTGGCGCCCAAGGATTACCTCATTTGAAGCGCA 1605145

QY 484 CTGTCACCTTGGTCTACGGGATCTCTGGAGGAGCCGTTCCGGTCACTGGAGGCCATCAACG 543
Db 1605144 ATCAACTGGTCCGCCACCAGGTCAACGAGCGGAGCGGATTCACCGCTCGATGATC 1605085
QY 544 GCTCGGCGCTCAGATGGGGTTCGAGAGGTGCGAGCTCTGAGCCCAATATCCCGAAC 603
Db 1605084 GTCGACACCCGGTTCAGCGGGTTCAGCAGCGGACACGCTGATCGATCGCCACCTCCAAGAAA 1605025
QY 604 CGGAGTTGCCCTCAGACCGCGTCACCATGAGAGTCCAAAGCTCCCAATATCCAGATCCCA 663
Db 1605024 CGCGCATGCCGAGCGGTGCGCCGACCAACCGGACACAGATATCAGCTGCGCC 1604965
QY 664 GCCAGGAGACCATGCTACTGCTACATTAAGGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db 1604964 CGCGCGCGGGGTATGCCAGCGCGCGCTCGAGCGCTCCACCAAGGACTGCGGGTATCG 1604905
QY 724 ACATTATCAAGTACGAGCCCATCTGTCACCAAGGCAATGAGCCCTTGTCCACCATG 783
Db 1604904 CGAT--CCAAATAGTGAACGGCGGTACGAAATTTCTCGGTGATGTCGCCCGCCACAGGT 1604847
QY 784 AAGTCTTCCAGTGGCGCCCGAGATGGACAGCGTCCCGCACTTCAGCGGGCCCTGCGACT 843
Db 1604846 CCGCATCCGCGCTGTAATCCAGCCCCGAATCTCGCCTTCTATTTGTCAACAACACT 1604787
QY 844 CCAAGATGAACCCGACCGCTCAACTACTGCCCGCACGTCGTGCGCCCTGGGCCCTG 902
Db 1604786 CGGAGATGAAGTCAATCGCGGAATCAACTGCTATGCGCGGCGATCACCAGAAATGGCCCG 1604728

RESULT 25

US-09-103-840A-1/c
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 1.6%; Score 42.6; DB 3; Length 4411529;
Best Local Similarity 44.5%; Pred. No. 13;
Matches 213; Conservative 0; Mismatches 264; Indels 2; Gaps 1;
QY 424 TGCTTTTCAAGAGGCCCTTTGGCACCTCGGACCCCAAGGATTAACCTATTGAGACGGCA 483
Db 1605369 TGCTGTTGCAGACCGCTGCGCGGACTCAGCCAGCGATCGTGTTCGTGCTCATAGGCGACA 1605310
QY 484 CTGTCCACTTGGTCTACGGATCTCGGAGGAGCGGTTCCGGTCACTGGAGGCCATCAACG 543
Db 1605309 ATCAACTGGTCCGCCACCAGGTCAACGAGCGGAGCGGATTCACCAAGCTCGATGATC 1605250
QY 544 GCTCGGCGCTCAGATGGGGTTCGAGAGGTGCGAGCTCTTGAAGCCCAATATCCCGAAC 603
Db 1605249 GTCGACACCCGGTTCAGCGGGTTCAGCAGCGGACACGCTACTGCTGCGCACCTCCAAGAAA 1605190
QY 604 CGGAGTTGCCCTCAGACCGCTGACCATGAGGTCCCAAGTCCCAATATCCAGATCCCA 663
Db 1605189 CGCGCATGCGCGCGGCTGCGCCCGAACCAACCCGACCAACCGGAAATATACGCTGCGCC 1605130

QY 664 GCCAGGAGACACGCTACTGTGCTACATTAAAGAGCTTCCAAAGGGCTTCTCTCGGCACC 723
Db 1605129 CGCGCGCGGGCTATGCCAGCGCGCTCGAGCTCCACCAAGGACTGCGGGTATCG 1605070
QY 724 ACATTATCAAGTACGAGCCCATCTGTCACCAAGGCAATGAGCCCTTGTTCACCAACATGG 783
Db 1605069 CGAT--CCAAATAGTGAACGGCGCTCAGAAATTTCTCGGTGATGTCGCCCGCCACAGGT 1605012
QY 784 AAGTCTTCCAGTGGCGCCCGAGATGGACAGCGTCCCGCACTTCAGCGGGCCCTGCGACT 843
Db 1605011 CCGCATCCGCGCTGTAATCCAGCCCCGAATCTCGCCTTCTATTTGTCAACAACACT 1604952
QY 844 CCAAGATGAACCCGACCGCTCAACTACTGCCCGCACGTCGTGCGCCCTGGGCCCTG 902
Db 1604951 CGGAGATGAAGTCAATCGGAATCAACTGCTATGCGCGGCGATCACCAGAAATGGCCCG 1604893

RESULT 26

US-09-252-991A-16191
; Sequence 16191, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 16191
; LENGTH: 1230
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-16191

Query Match 1.5%; Score 42.2; DB 4; Length 1230;
Best Local Similarity 51.9%; Pred. No. 1.1;
Matches 95; Conservative 0; Mismatches 88; Indels 0; Gaps 0;
QY 722 CCACATTATCAAGTACGAGCCCATCGTCACCAAGGGCAATGAGGCCCTTGTCCACACAT 781
Db 892 CGAGTGATCAAGATCGACCGCAGCTTCATCAAGGACATTCGCGACAGCCAGGACGAT 951
QY 782 GGAAGTCTTCCAGTGGCGCCCGAGATGGACAGCGTCCCCACATTCACGCGGGCCCTCGA 841
Db 952 GGAATCACTCGCGGTGATCGCCATGGCGCCACAACTCAAGCTCAAGGTAGTGCCTGA 1011
QY 842 CTCAGATGAACCCGACCGCTCAACTACTGCGCCACGTCGTGCGCCCTGGGCCCT 901
Db 1012 AGCGTGGAGAGCGCGGCAACTGGCCTTCTCCGCGCAACCGCTGCGACATCGGCCA 1071
QY 902 GGG 904
Db 1072 GGG 1074

RESULT 27

US-09-252-991A-15321
; Sequence 15321, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18

Db	815	ACAGCCTCGCCAAAGCTGGTGGACTTCCACTTTCAGGAAGGCACCAAGCCATCGTGC	756
Qy	1264	TCGGGACGGCCGGGAGTGGGAGATCGTGAACAGGACAACTACTACAGCCCTCACTTC	1323
Db	755	TCGGCACCCGGTGAATCGGCCACGCTGGACGTGGAAGAGCACATCCAGGTGATCCGTC	696
Qy	1324	AGGAGATTCGCATGTTTGAAGAAGGTGCTTCGGTCCATCCGGAGATGTGCTCATCACCT	1383
Db	695	GCCTGGTCGACCAAGGTCAGGGCGCGATCCGGTGATCGCGCACCGCGCCAACTCCA	636
Qy	1384	CCTGCAGTACACACGGGAAGACGGGAGCTGCCACAGTGGGGGCTTCGGGATCCTGG	1443
Db	635	CCGCGAGGCGGTGGCGCTGACGAGGCGCGAAGCGCGCGCGCTGCTGCTGC	576
Qy	1444	AGGAGATGTGTGCAACTAGCTGCACTACTACCCCCAGACGAGCTGGAGCTTGTCAAGA	1503
Db	575	TGTTGACCGGTACTACAAAGCCACCCAGGAAGGCATGTACAGACATTCCGGCATA	516
Qy	1504	CGGCTGTGGACGCCGCTTCTGTGAGAAGTACTTCCACCTCATCAACAGGTTCAACAAG	1563
Db	515	TCGCCGAAGCGGTTCGATCCCGCAGAA--TCTCTACAAAGTACCGGGCCGACCTCCT	459
Qy	1564	AGGATGTCTGCACCTGCGCTCAGGCGTCGTCTCAGCAGTTCACTCTGTTCCTGGA	1623
Db	458	GCACATGCTTCCGAGACCGTGCAGCGCTGTCTCAAGGTGCCGAACATCATCGGCATCA	399
Qy	1624	ACTCCTTCAACCGCAGCTACTGAAGGCCCTGTACAGCTTCGGGCCCATCTCATGCACT	1683
Db	398	AGGAGGCCACCGCGACCTTGCAACGCCGCCAAGGAAGTCATTCAGCGCGTCGGCAAGGAT	339
Qy	1684	GCAACAGTCTCTCAGCGCTCCGCTTCAGGGGTGAATGGAACCTGCAGCCCTCGCCCAAG	1743
Db	338	TCCTGCTCTATTCCGGCGACGAGCCACGCGCGTCGAGCTGATGCTGCTGGGTGGCAAG	279
Qy	1744	TCATCTCCACATGGGAAGAGCCCAACCCACAGTGCCTCCACAGCCCA	1789
Db	278	GCAACATCTCCGTGACCGGCAACAGTCCGCGCGCGGCCATGACGCA	233

US-09-585-173B-21
; Sequence 21, Application US/09585173B
; Patent No. 6570063

```

? APPLICANT: Butler, Karlene
? APPLICANT: Famodu, Omolayo O.
? APPLICANT: Gutteridge, Steven
? APPLICANT: Maxwell, Carl
? TITLE OF INVENTION: Magnesium Chelataase
? FILE REFERENCE: BB1370 US NA
? CURRENT APPLICATION NUMBER: US/09/585,173B
? CURRENT FILING DATE: 2000-06-01
? PRIOR APPLICATION NUMBER: US 60/137,461
? PRIOR FILING DATE: 1999-06-04
? NUMBER OF SEQ ID NOS: 54
? SOFTWARE: Microsoft Office 97
? SEQ ID NO 21
? LENGTH: 782
? TYPE: DNA
? ORGANISM: zea mays
US-09-585-173B-21

```

Qy	1438	TCCTGGAGGAGATGTGTGTGTTCACTAGTGCATCTATACCCCCAGACGCACTGGAGCTCT	1497
Db	256	TGCCCCGAGGTCTATGCGCCCTTCAACAAGCTCGGCTCCCTTCAGCATGTTCGAGTGGGCGACT	315
Qy	1378	TCACTTCTTCGACGATACAAACGGAAGACCTGGAGACTGCGCCACAGTGTGGGGGGCTTCGGGA	1433
Db	196	TCAAGCCCGCTCGAGAGAGGAGCGCACCGCATGAGCGCGTCTCGTCTTCTCCCTCAA	255


```
/
/ FILING DATE:
/ CLASSIFICATION: 424
/ ATTORNEY/AGENT INFORMATION:
/ NAME: WEINER, MARC S.
/ REGISTRATION NUMBER: 32,181
/ REFERENCE/DOCKET NUMBER: 1422-0346P
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 703-205-8000
/ TELEFAX: 703-205-8050
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1607 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ MOLECULE TYPE: cdna to mRNA
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 2..1522
/
US-09-091-097-9

Query Match
Best Local Similarity 1.5%; Score 41.2; DB 4; Length 1607;
Matches 73; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

QY 1433 CGGATCCTCGAGGAGATGTGTCAACTACGTGCACTACTACCCCGACGACGACGTGGA 1492
DB 259 CTGTATCCCGTCCAAAGTCGTTGCTCAACAACTCGCACATCTACCAACGACGACGACATGA 318
QY 1493 GCTCTGCAAGACGGCTGTGAGCGCGGCTTCTGCGAGAGTACTTCCACCTCATCAACAG 1552
DB 319 CCTCAAGAACCGCGGTATTGAGCTCGCGACATTAAGTGAACCTGGCGGAGATGCTCAA 378
QY 1553 GTTCAA 1558
DB 379 GCGGAA 384

RESULT 38
US-08-620-694A-9
; Sequence 9, Application US/08620694A
; Patent No. 5869286
; GENERAL INFORMATION:
; APPLICANT: Yao, Zhengbin
; APPLICANT: Spriggs, Melanie
; APPLICANT: Fanslow, William
; TITLE OF INVENTION: No. 5869286el Receptor That Binds IL-17
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
; SOFTWARE: Microsoft Word for Apple, Version 6.0.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/620,694A
; FILING DATE: 21 MARCH 1996
; CLASSIFICATION: 435
; PRIORITY INFORMATION DATA:
; APPLICATION NUMBER: USN 08/538,765
; FILING DATE: 7 AUGUST 1995
; CLASSIFICATION: 435
; PRIORITY INFORMATION DATA:
; APPLICATION NUMBER: USN 08/410,535
; FILING DATE: 23 MARCH 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
```

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/
/ NAME: Perkins, Patricia Anne
/ REGISTRATION NUMBER: 34,695
/ REFERENCE/DOCKET NUMBER: 2617-B
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (206)587-0430
/ TELEFAX: (206)
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 3223 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cdna to mRNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Human
/ STRAIN: IL-17 R (hCTLA8 receptor)
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 93..2693
/
US-08-620-694A-9

Query Match
Best Local Similarity 1.5%; Score 41.2; DB 2; Length 3223;
Matches 142; Conservative 0; Mismatches 168; Indels 0; Gaps 0;

QY 106 GCTCGCTCCCGTGGAGAGCCCTCCCTATCATCATCCCTTGACCCCGAGGGGTCCC 165
DB 46 GCTCGTCCCGAGCGGGCCGAGCCCTCCGCGACGCCCGGCCCATGGGGCGCGCAC 105
QY 166 TGAAGCTCTCATGGAATGTACAGCTACACCCAGGAGCCATCCATTTCCAGCTCCTGGTGC 225
DB 106 GCAGCCCGCGCTCCGCTGTCCCGGGGCCCTCCCTGGAGCTCCCTGCTGCTCTCTGGGCG 165
QY 226 GGAGGCTCAAGGCTGGCGTCTGTTGGGATGTCCGACCGTGGCGAGCTTGAGAACGACG 285
DB 166 TGCTGGCCCGGTGGCGCCCTCCCTGGAGCTCCCTGGAGCTCCCTGCTGCTCTGGGCG 225
QY 286 ATCTCGTGTGCTCTGGACCGATGGGACACTGCTATTTTGGGAGCCCTGGAGTCAACC 345
DB 226 AGCCGGGGCTAAACTGCACGGTCAAGAAATAGTACTGCTGGATGACAGCTGGATTCAACC 285
QY 346 AGAAGGGGCAGATCCACTGATCCCGACGAGACTACAGCTGCTGCTGAGGTGACAGAGGA 405
DB 286 CTCGAACCTGACCCCTCCCTCCCAAGAGACCTGCAGATCCAGCTGCACTTTGCCCCACA 345
QY 406 CCCGAGGAGG 415
DB 346 CCCAACGAGG 355
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RESULT 39
US-09-022-255-9
; Sequence 9, Application US/09022255
; Patent No. 6072033
; GENERAL INFORMATION:
; APPLICANT: Yao, Zhengbin
; APPLICANT: Spriggs, Melanie
; APPLICANT: Fanslow, William
; TITLE OF INVENTION: No. 6072033el Receptor That Binds IL-17
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Power Macintosh
; OPERATING SYSTEM: Apple Operating System 7.5.5
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Db 286 CTCGAAACCTGACCCCTCTCTCCCAAGGACCTGCAGATCCAGCTGCACTTTGCCACA 345
QY 406 CCCCAAGG 415
Db 346 CCCAACAAGG 355

Search completed: November 13, 2003, 03:21:34
Job time : 201 secs

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